



1 CTAGAGCTTCGACTCTCGCTGCGGGCAGCTGGGGGGGAGCAGCCAGGTGAGCCCA
 61 AGATGCTGCTGCGCTCGAAGCCTGCGCTGCCGCCGCGCTGATGCTGCTGCTCCCTGGGC
 M L L R S K P A L P P P L M L L L L G P
 121 CGCTGGGTCCCTCTCCCTGGGCCCTGCCCGACCTGCGCAAGCACAGGACGTCGTTGG
 L G P L S P G A L P R P A Q A Q D V V D
 181 ACCTGGACTCTTCACCCAGGAGCGCTGCACCTGGTGAGGCCCTCGTCTGTCCGTCA
 L D F F T Q E P L H L V S P S F L S V T
 241 CCATTGACGCCAACCTGGCACGGACCGGGTTCTCATCCTCTGGGTTCTCCAAAGC
 I D A N L A T D P R F L I L L G S P K L
 301 TTCTGACCTTGCCAGGGCTTGTCTCTGGTACCTGAGGTTTGTTGGCACCAGACAG
 R T L A R G L S P A Y L R F G G T K T D
 361 ACTTCCTAATTTGATCCAAAGAAGGAATCAACCTTGAGAGAGAAGTACTGGCAAT
 F L I F D P K K E S T F E E R S Y W Q S
 421 CTCAGTCACCCAGGATATTGCAAATATGGATCCTCCCTGATGTCAGGAGAAGT
 Q V N Q D I C K Y G S I P P D V E E K L
 481 TACGGTTGGAATGGCCCTACCGAGCAATTGCTACTCCGAGAACACTACCAAGAAAAAGT
 R L E W P Y Q E Q L L R E H Y Q K K F
 541 TCAAGAACGACCTACTCAAGAAGCTCTGTTAGATGCTATACTACCTTGCAACTGCT
 K N S T Y S R S S V D V L Y T F A N C S
 601 CAGGACTGGACTTGATTTGGCTAAATGCGTTATAAGAACACCCAGATTGCACTGG
 G L D L I F G L N A L L R T A D L Q W N
 661 ACAGTTCTAATGCTCAGTTGCTCTGGACTACTGCTCTCCAAAGGGGTATAACATTCTT
 S S N A Q L L L D Y C S S K G Y N I S W
 721 GGGAACTAGGCAATGAACCTAACAGTTCTTAAGAAGGCTGATATTTCATCAATGGGT
 E L G N E P N S F L K K A D I F I N G S
 (T)
 781 CGCAGTTAGGAGAAGATTATTCATAATGCTAACCTCTAACAGAAGTCCACCTCAAA
 Q L G E D Y I Q L H K L L R K S T F K N
 (F)
 841 ATGCAAAACTCTATGGCTGATGGTGGTCAGCCTCGAAGAAAGACGGCTAACATGCTGA
 A K L Y G P D V G Q P R R K T A K M L K
 901 AGAGCTTCTGAAGGCTGGTGGAGAAGTGTGATTGAGCTAACATGGCATCAACTATT
 S F L K A G G E V I D S V T W H H Y Y L
 961 TGAATGGACGGACTGCTACCAGGGAAAGTTCTAAACCTGATGTATTGGACATT
 N G R T A T R E D F L N P D V L D I F I
 1021 TTTCATCTGTGCAAAAGTTTCAGGTGGTGGAGAGCACCAGGCTGGCAAGAGGTCT
 S S V Q K V F Q V V E S T R P G K K V W
 1081 GGTTAGGAGAACAGCTCTGCATATGGAGGCGGAGCGCCCTTGCTATCCGACACCTTG
 L G E T S S A Y G G G A P L L S D T F A
 1141 CAGCTGGTTATGGCTGGATAAAATTGGCCCTGTCAGCCGAATGGGAATAGAACAGG
 A G F M W L D K L G L S A R M G I E V V
 1201 TGATGAGGCAAGTATTCTTGAGCAGGAAACTACCATTTAGGGATGAAAACCTCGATC
 M R Q V F F G A G N Y H L V D E N F D P
 1261 CTTTACCTGATTATGGCTATCTCTCTGTCAGAAAGTGGGGACCAAGGTGTTAA
 L P D Y W L S L L F K K L V G T K V L M
 1321 TGGCAAGCGTCAAGGTTCAAAAGAGAAGGAAGCTCGAGTATACTTCATTGCAACAA
 A S V Q G S K R R K L R V Y L H C T N T
 1381 CTGACAATCCAAGGTATAAGAAGGAGATTAACCTGATGCCATAACCTCCATAACG
 D N P R Y K E G D L T L Y A I N L H N V
 1441 TCACCAAGTACTGGGTTACCTATCCTTTCTAACAAAGCAAGTGGATAAACCTTC
 T K Y L R L P Y P F S N K Q V D K Y L L
 1501 TAAGACCTTGGGACCTCATGGATTACTTTCAAATCTGTCACACTCAATGGCTAAC
 R P L G P H G L L S K S V Q L N G L T L
 1561 TAAAGATGGGTGGATGATCAAACCTTGGCACCTTAATGGAAAACCTCTCCGGCCAGGAA
 K M V D D Q T L P P L M E K P L R P G S
 1621 GTTCACTGGGCTTGGCAGCTTCTCATATAGTTTTGTGATAAGAAATGCCAAAGTTG
 S L G L P A F S Y S F F V I R N A K V A
 1681 CTGCTTGCACTGAAAATAAATACTAGTCTGACACTG
 A C I

Fig. 1

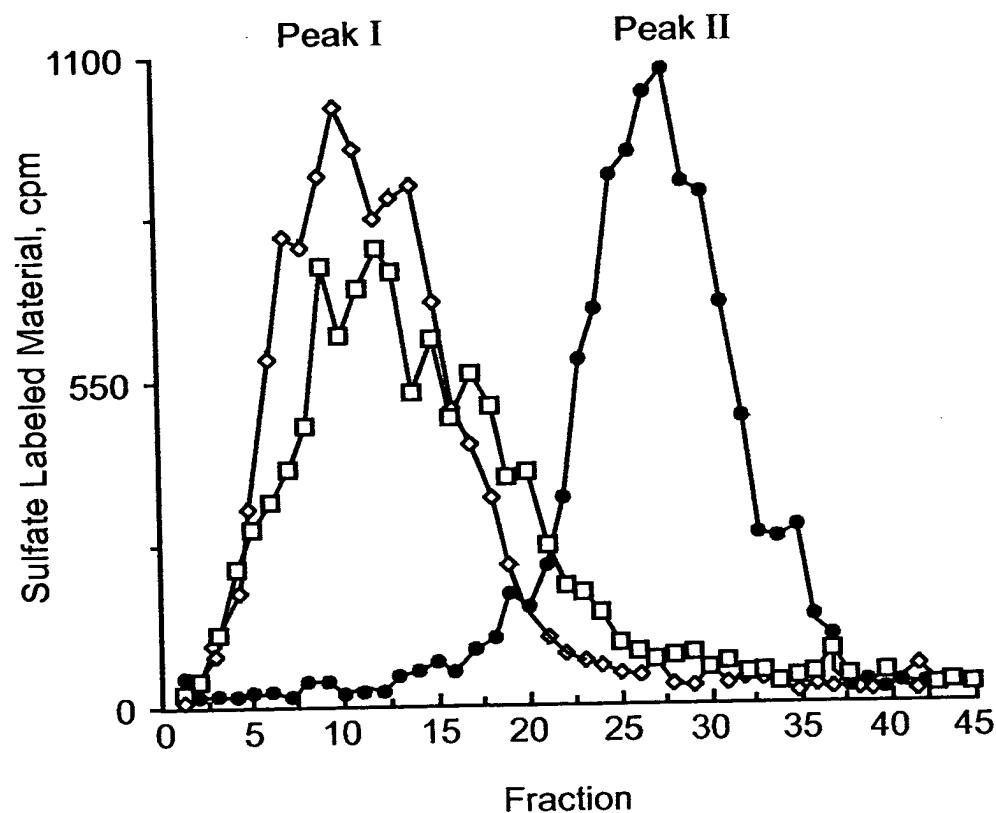


Fig. 2

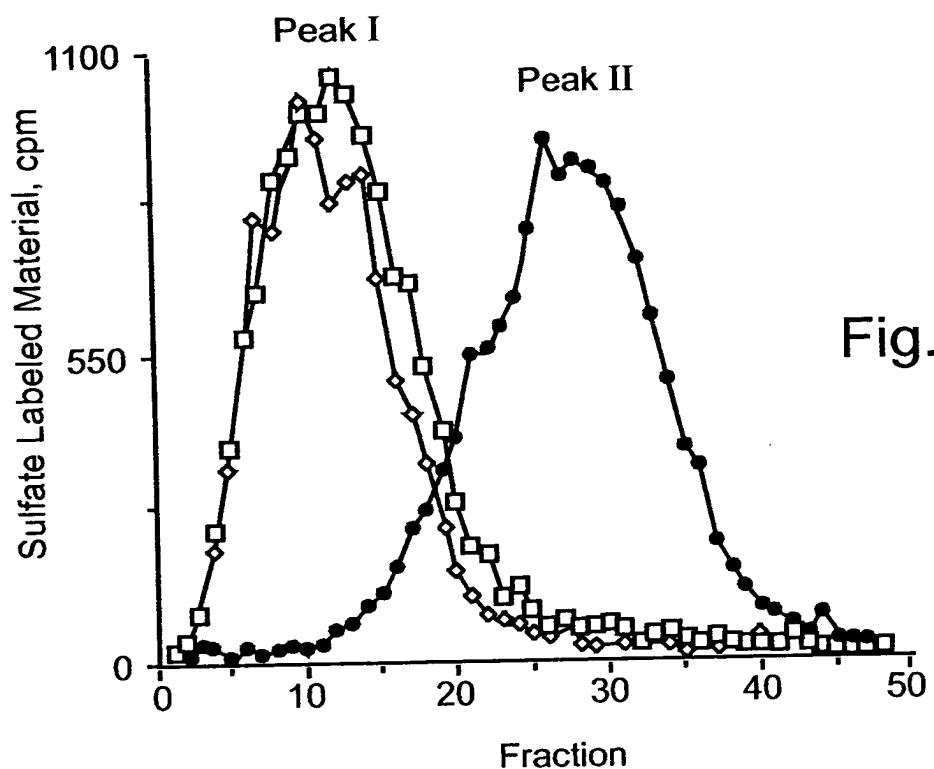


Fig. 3a

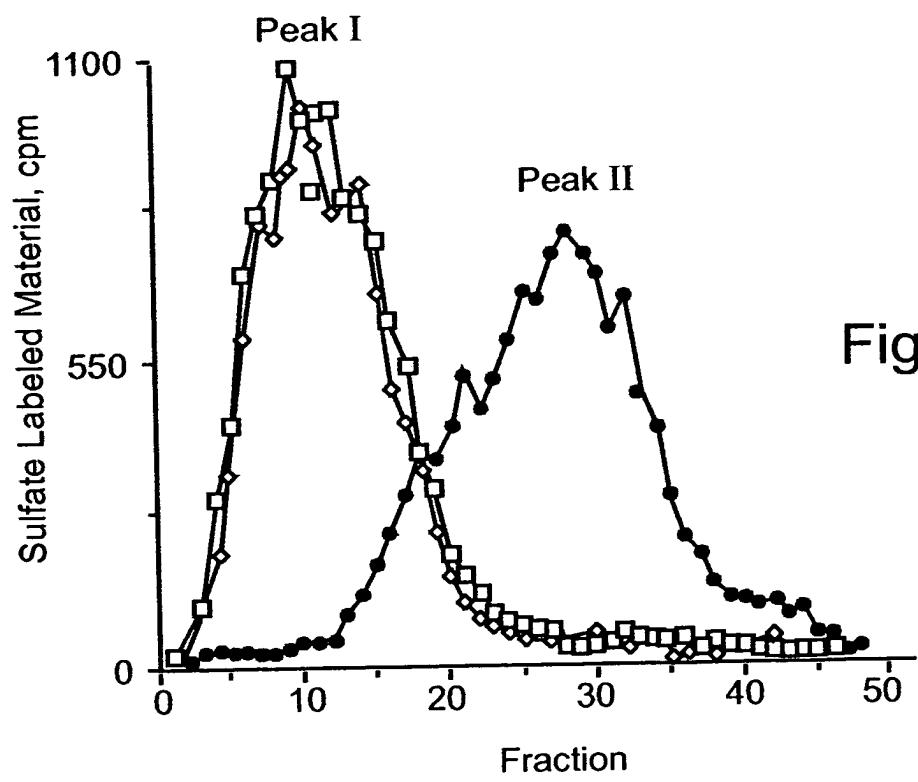


Fig. 3b

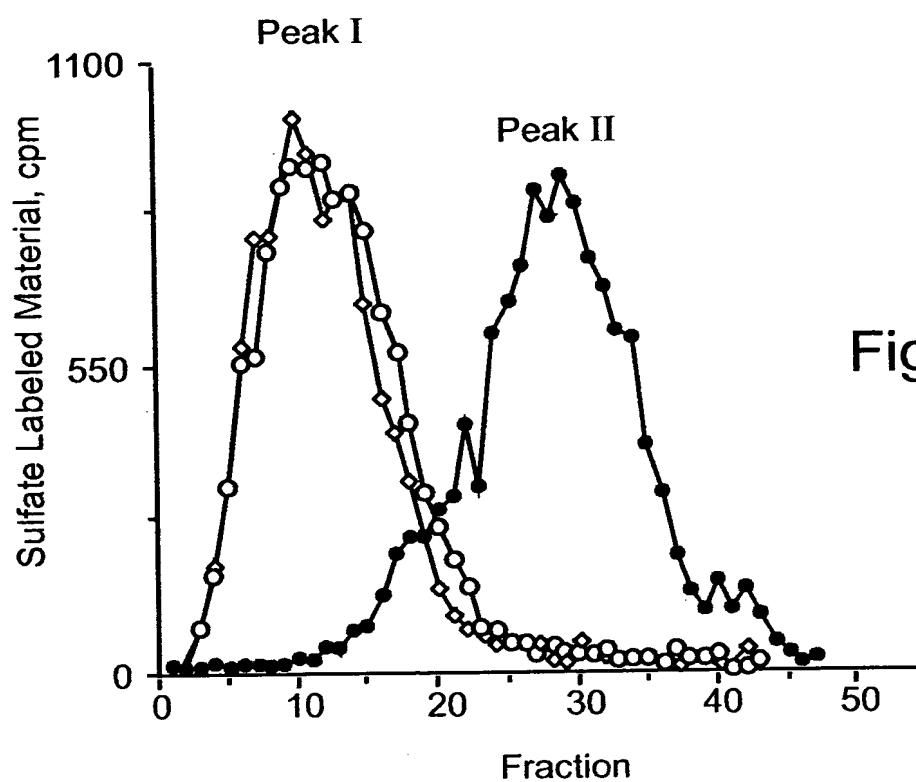


Fig. 4

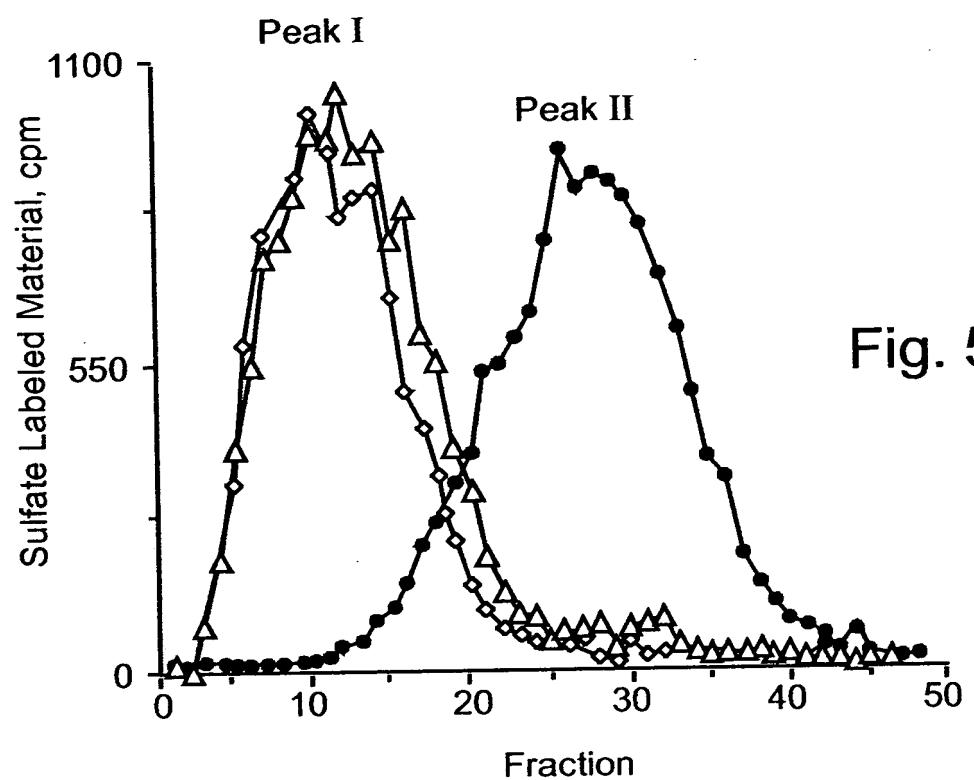


Fig. 5a

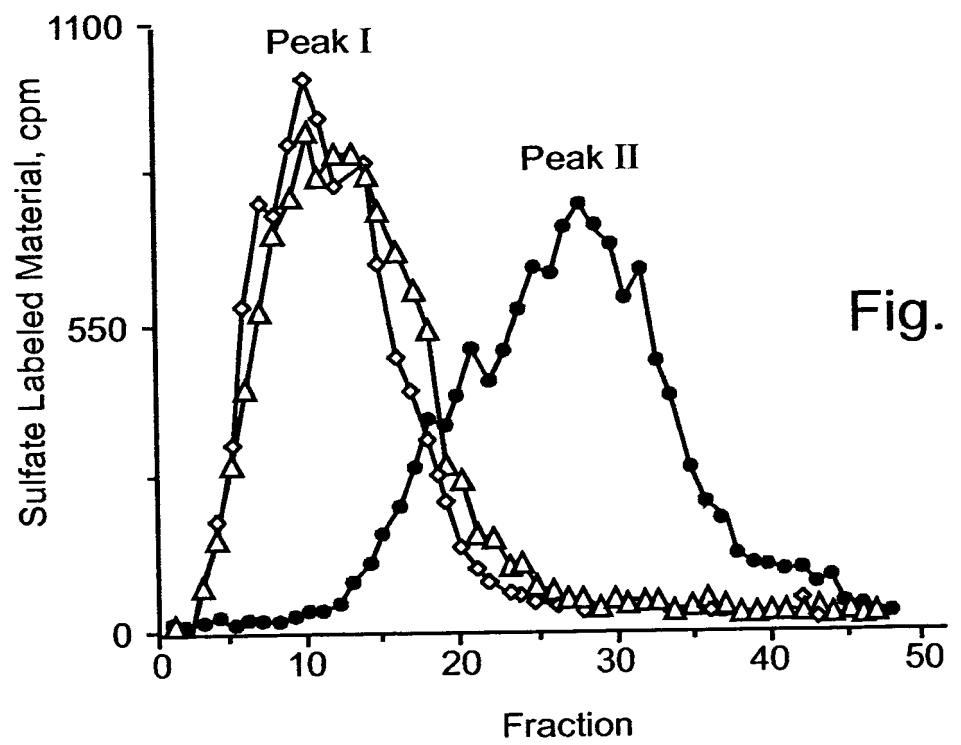
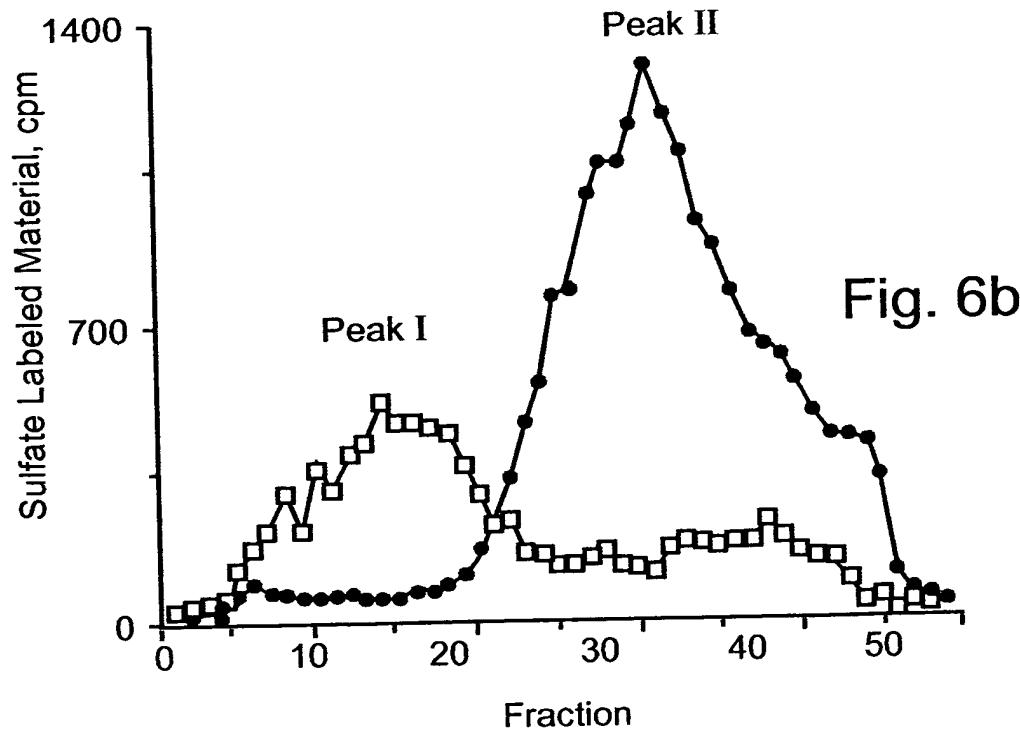
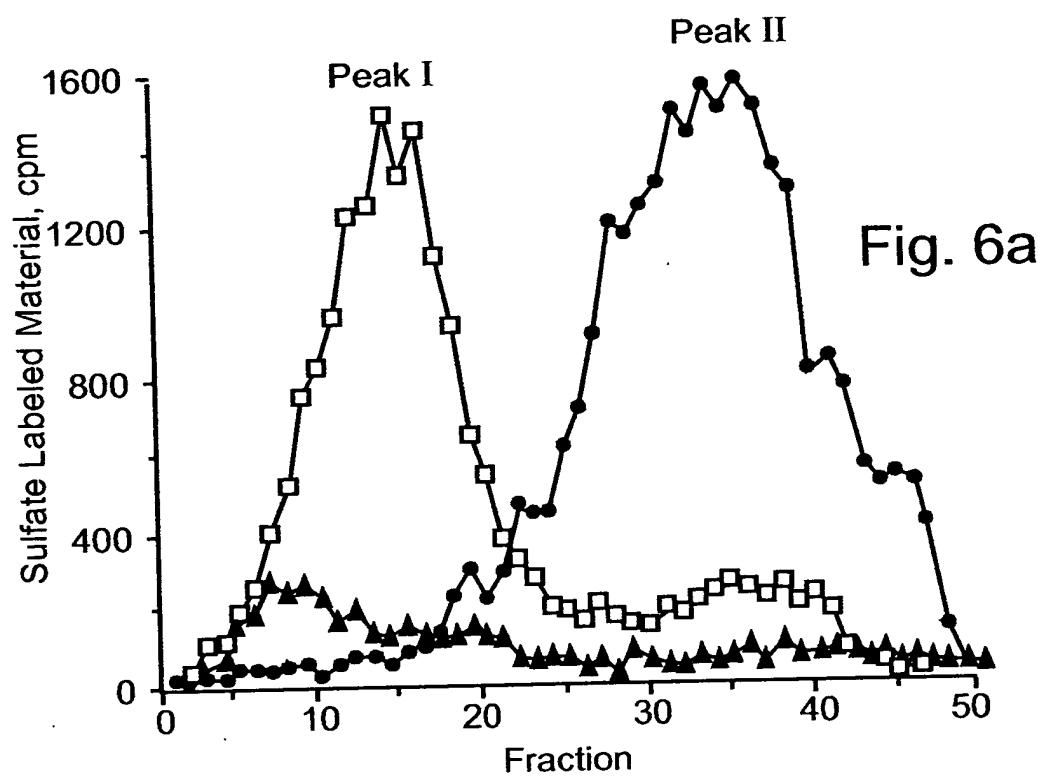


Fig. 5b



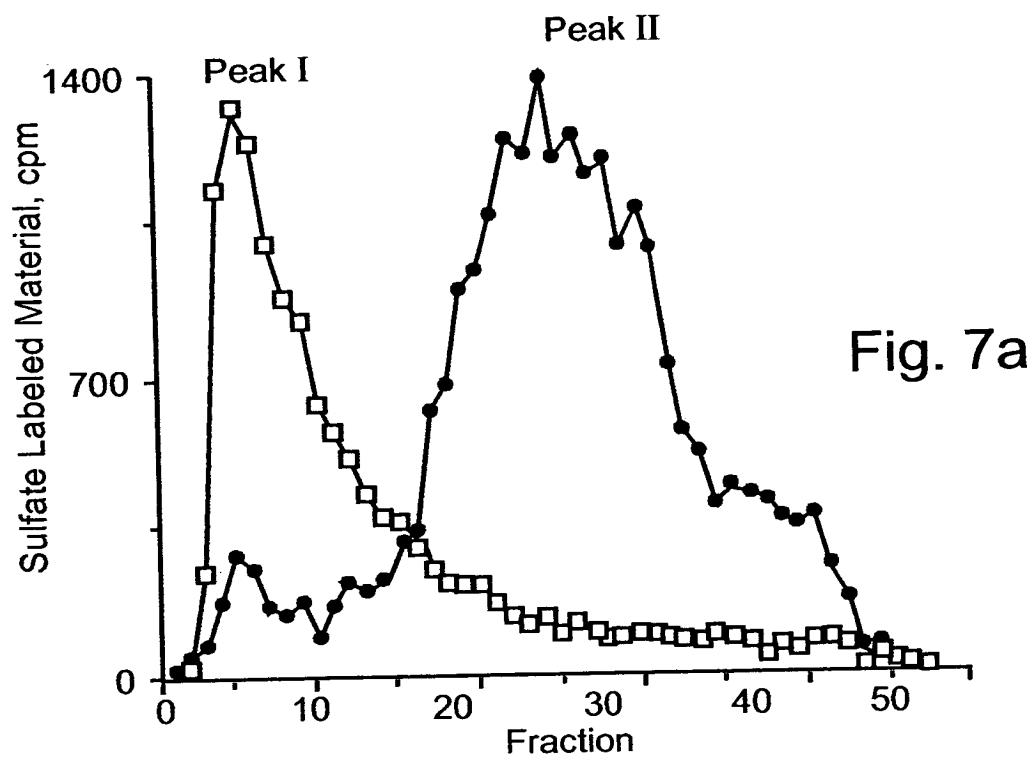


Fig. 7a

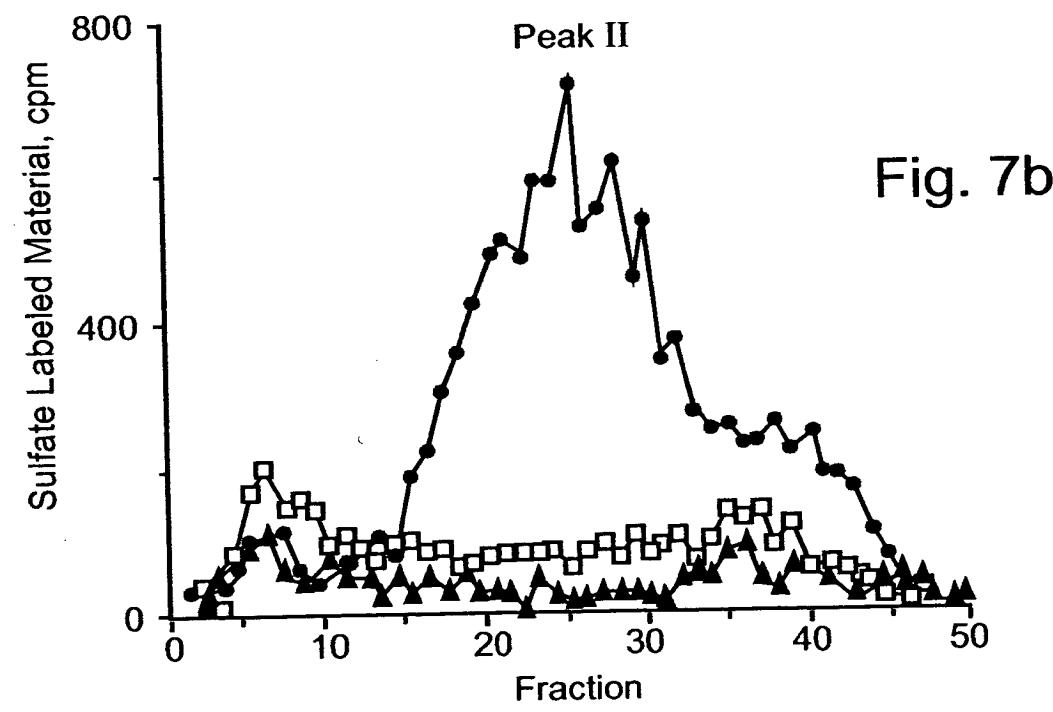
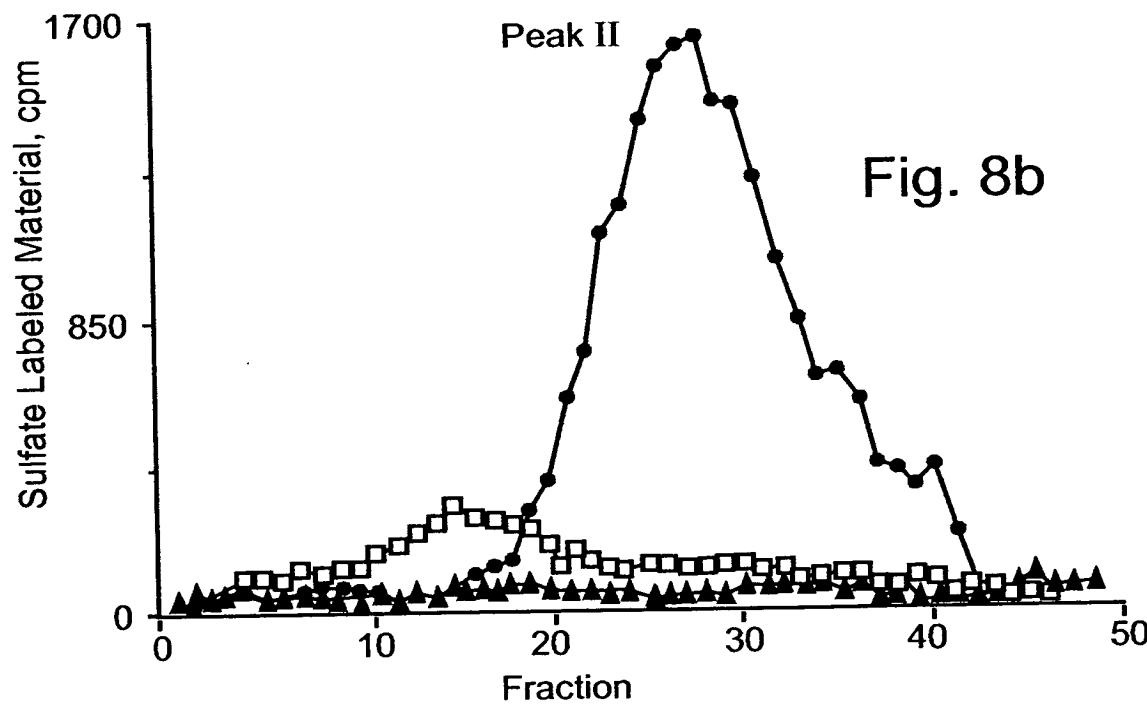
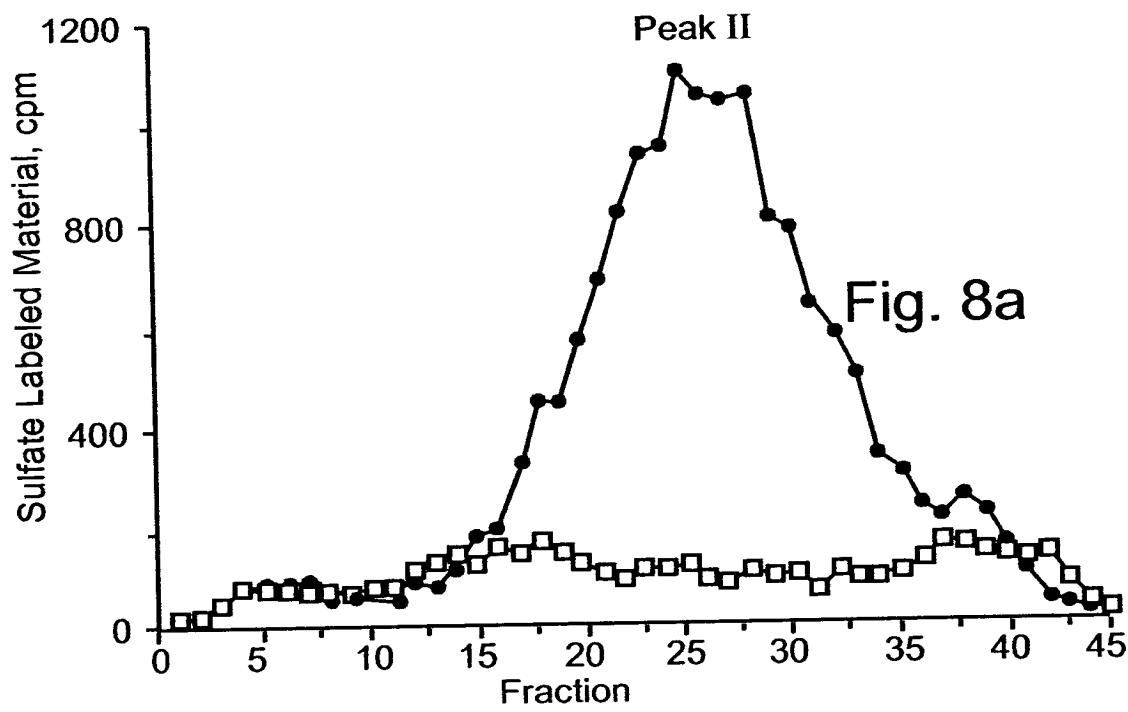
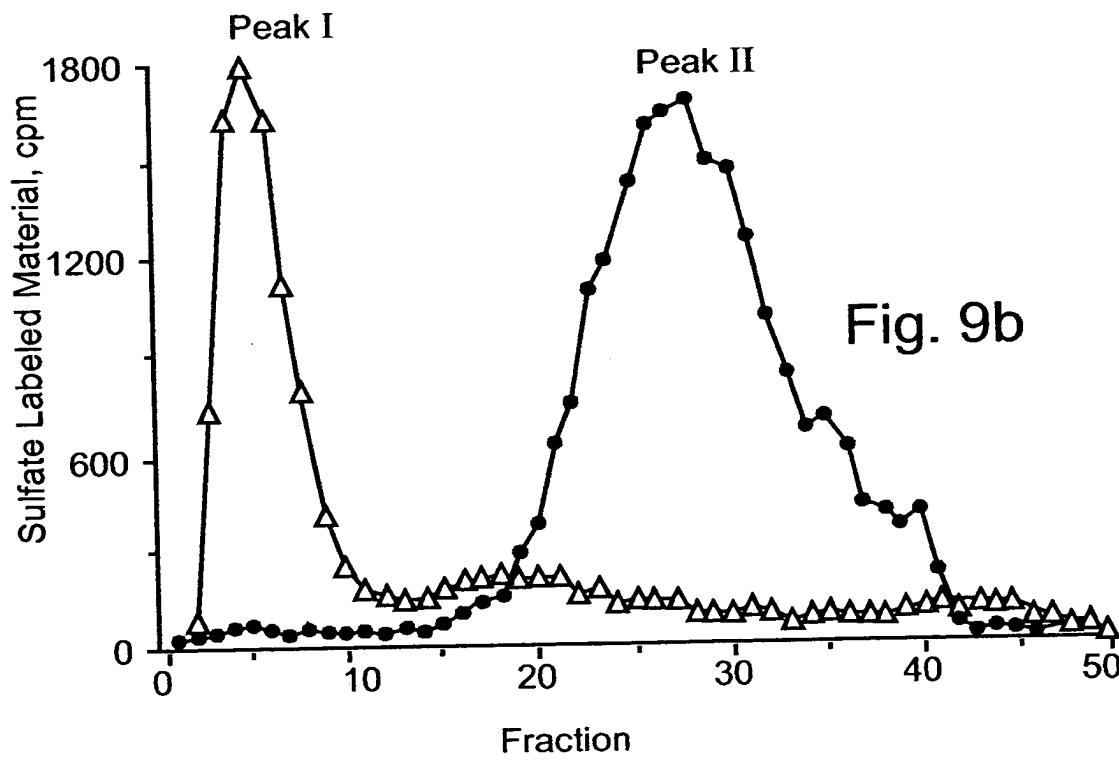
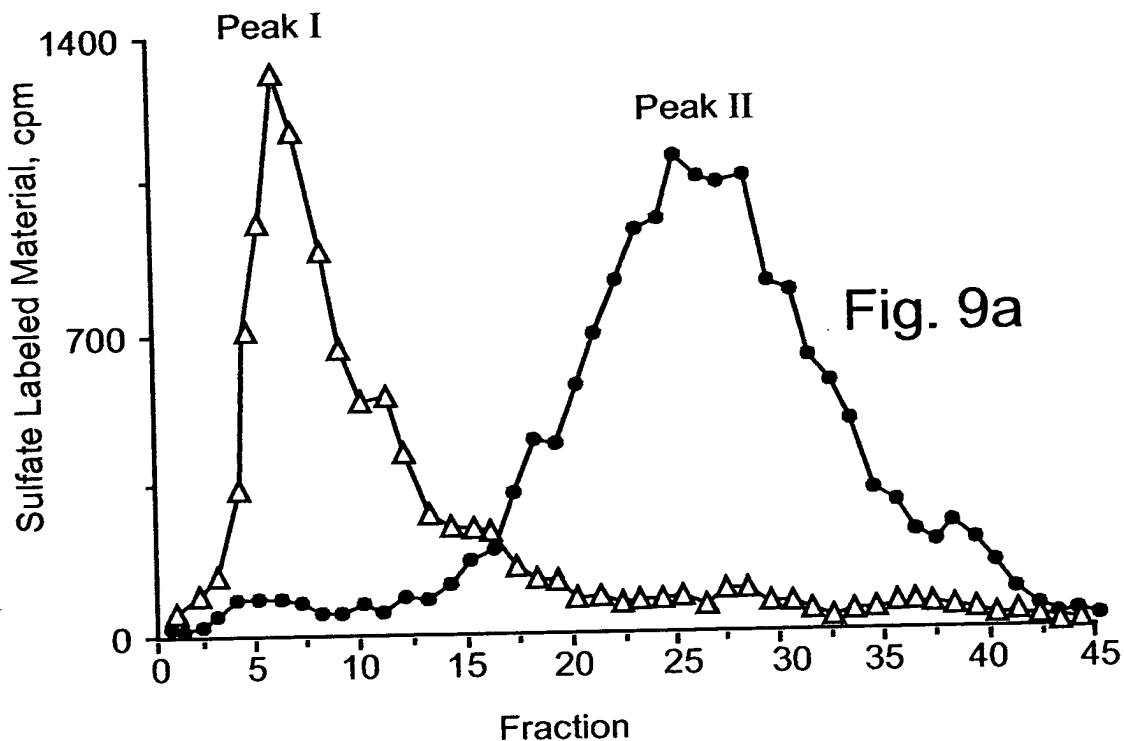


Fig. 7b





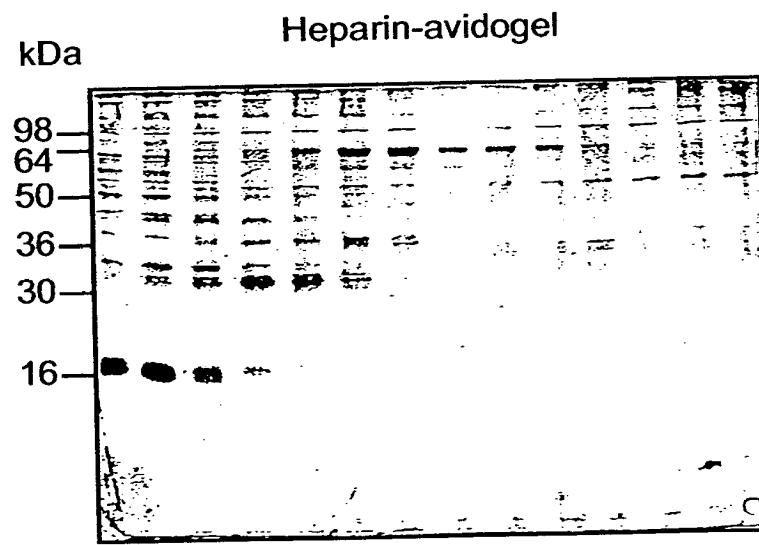
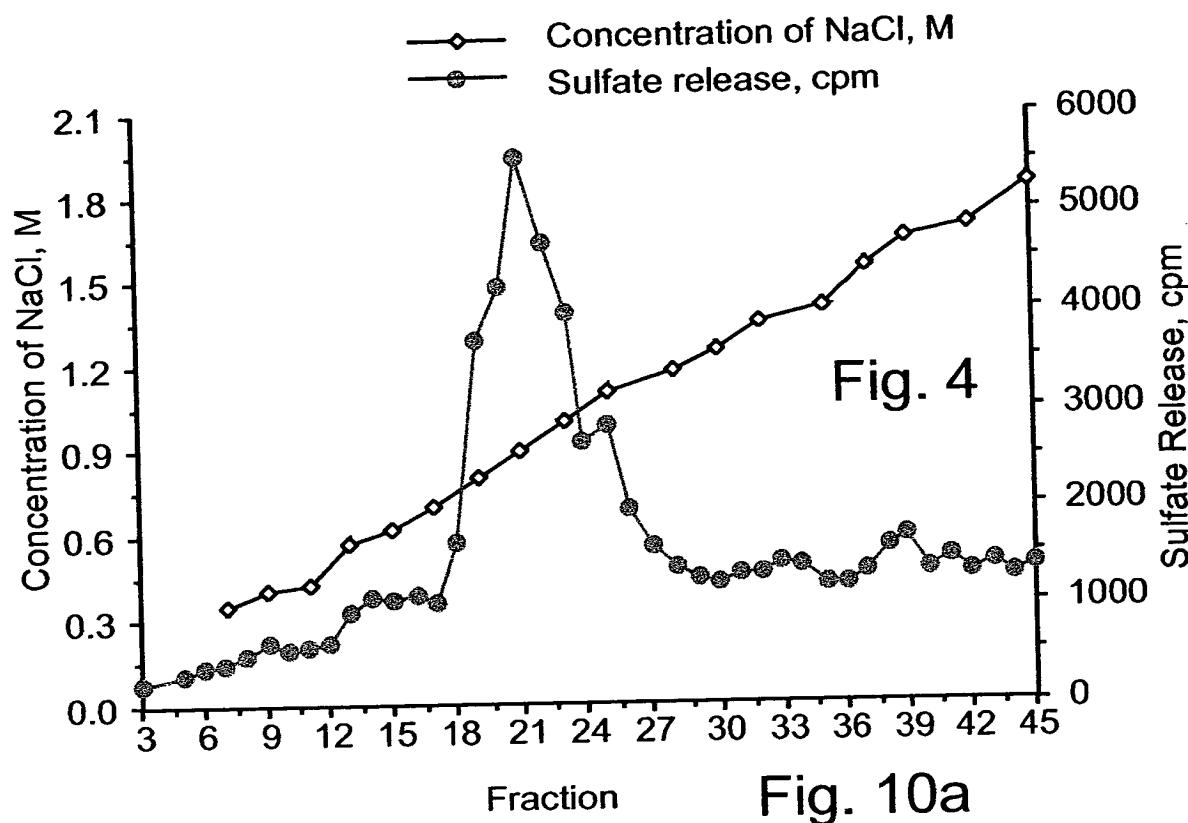


Fig. 10b

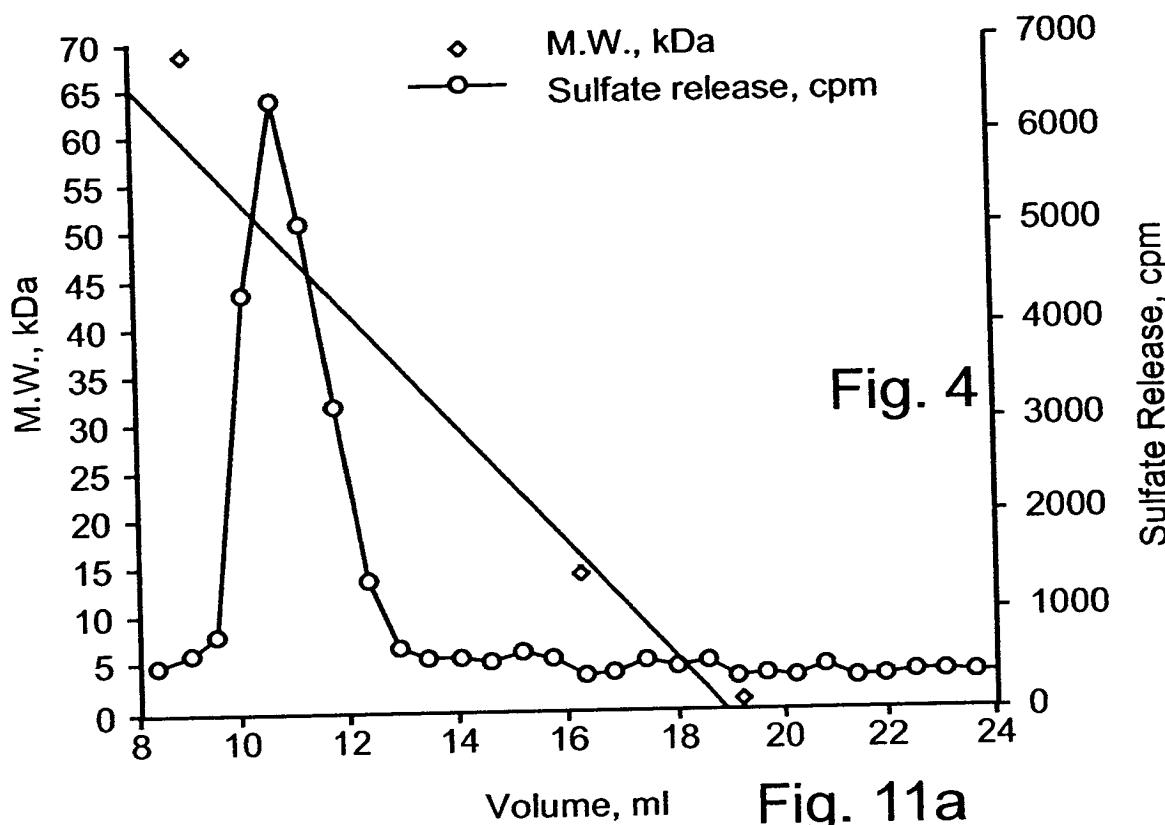


Fig. 4

Fig. 11a

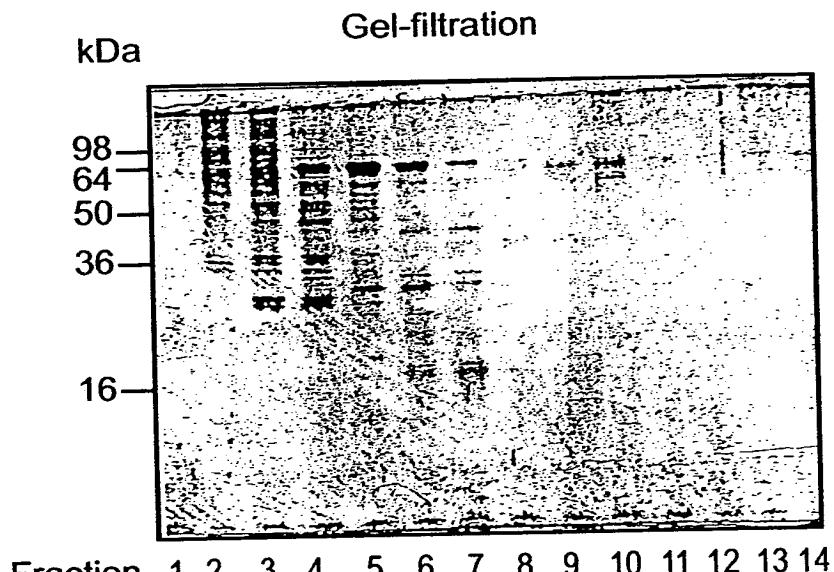


Fig. 11b

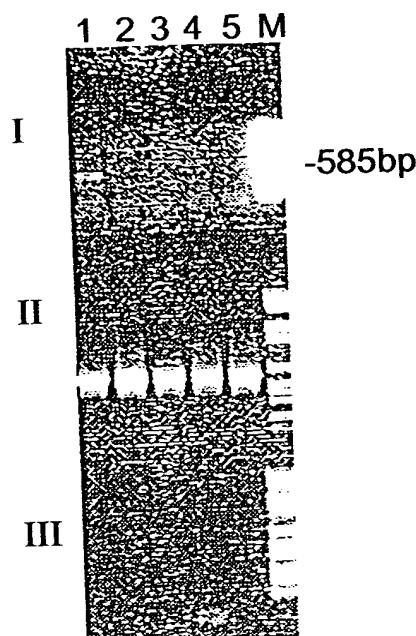


Fig. 12a

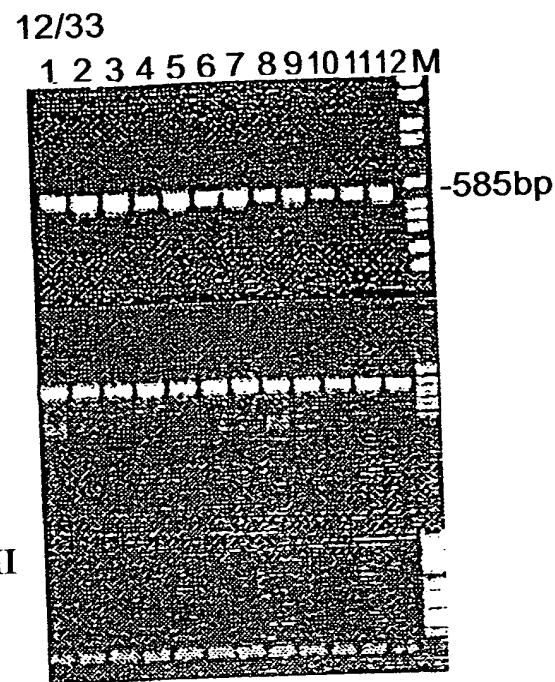


Fig. 12b

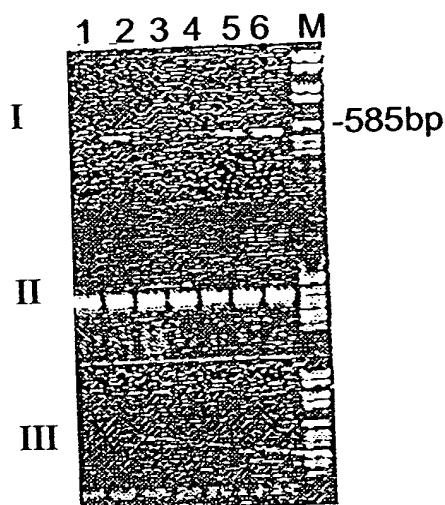


Fig. 12c

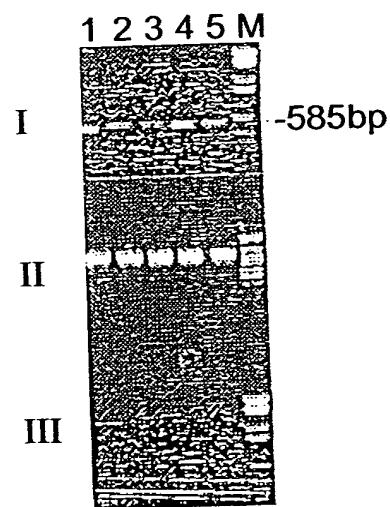


Fig. 12d

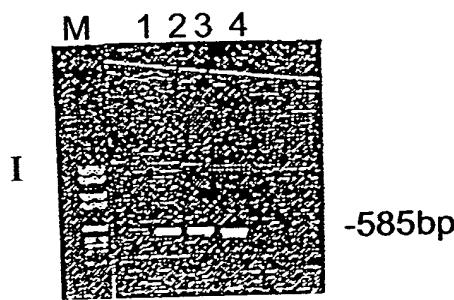


Fig. 12e

mouse	CTGGCAAGAAGGTCTGGTTGGGAGAGACGAGCTCAGCTACGGTGGCGGT 50
human	1115
mouse	CTGGCAAGAAGGTCTGGTTAGGAGAAACAAGCTCTGCATATGGAGGCAGA 1115
mouse	GCACCCCTGCTGTCCAACACCTTGAGCTGGCTTATGTGGCTGGATAA 100
human	1165
mouse	GCGCCCTGCTATCCGACACCTTGAGCTGGCTTATGTGGCTGGATAA 1165
mouse	ATTGGGCCTGTCAGCCCAGATGGGCATAGAAGTCGTATGGCAGGTGT 150
human	1215
mouse	ATTGGGCCTGTCAGCCCAGATGGGCATAGAAGTCGTATGGCAGGTGT 1215
mouse	TCTTCGGAGCAGGCAACTACCACTTAGTGGATGAAAACCTTGAGCCTTA 200
human	1265
mouse	TCTTTGGAGCAGGAAACTACCAATTAGTGGATGAAAACCTCGATCCTTA 1265
mouse	CCTGATTACTGGCTCTCTCTGTTCAAGAAACTGGTAGGTCCCAGGGT 250
human	1315
mouse	CCTGATTATTGGCTATCTCTGTTCAAGAAATTGGTGGGCACCAAGGT 1315
mouse	GTTACTGTCAAGAGTGAAGGCCAGACAGGGAGCAAACCTCGAGTGTATC 300
human	1365
mouse	GTTAATGGCAAGCGTGCAGGTTCAAAGAGAAGGAAGCTCGAGTATACC
mouse	TCCACTGCACTAACGTCTATCACCCACGATATCAGGAAGGAGATCTAATC 350
human	1415
mouse	TTCATTCACAAACACTGACAATCCAAGGTATAAGAAGGAGATTTAATC
mouse	CTGTATGTCTGAACCTCCATAATGTCACCAAGCACTGAAAGGTACCGCC 400
human	1465
mouse	CTGTATGCCATAAACCTCCATAACGTACCAAGTACTGCGGTTACCCCTA
mouse	TCCCTTGTTCAAGGAAACCAGTGGATACGTACCTTCTGAAGCCTTCGGGC 450
human	1515
mouse	TCCTTTTCTAACAGCAAGTGGATAAAATACCTTCTAACACCTTGGGAC
mouse	CGGATGGATTACITTCAAATCTGTCCAACGTGAACGGTCAAATTCTGAAG 500
human	1565
mouse	CTCATGGATTACTTCCAATCTGTCCAACCTCAATGGTCTAACTCTAAAG
mouse	ATGGTGGATGAGCAGACCCCTGCCAGCTTGCACAGAAAAACCTCTCCCCGC 550
human	1615
mouse	ATGGTGGATGATCAAACCTTGCCACCTTAATGGAAAAACCTCTCCGGCC
mouse	AGGAAGTGCACTAAGCCTGCCCTTCTATGGTTTTGTCTATAA 600
human	1665
mouse	AGGAAGTTCACGGGCTGCCAGCTTCTCATATAGTTTTGTGATAA
mouse	GAAATGCCAAATCGCTGCTTGTATATGAAAATAAA 637
human	1702

Fig. 13

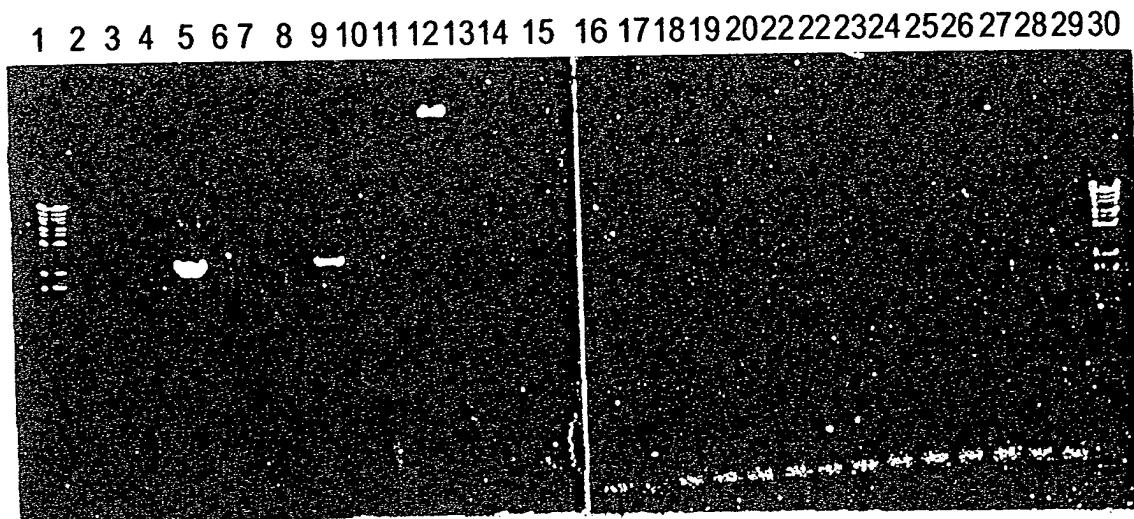


Fig. 14

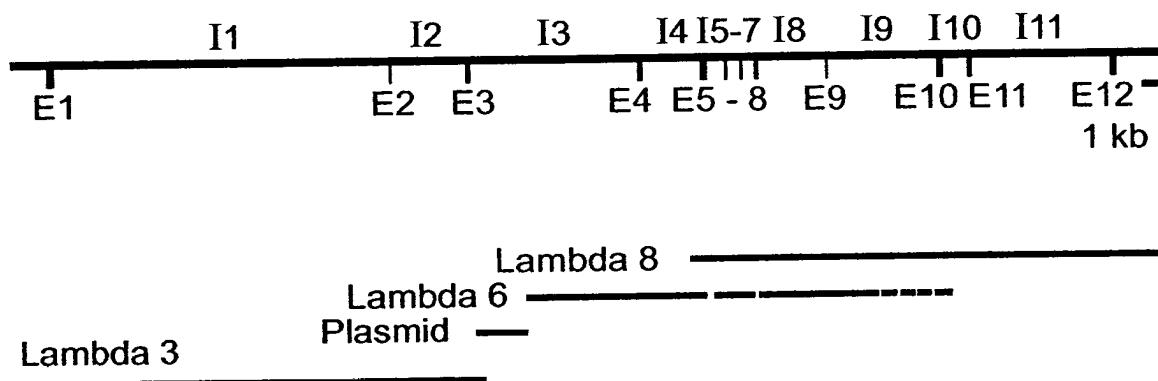


Fig. 15

ggatcttggctca	50
ctgcaatctctgc	100
cctccatgc	150
caatcttgc	200
ccatgttgc	250
ccatgttgc	300
ccatgttgc	350
ccatgttgc	400
ccatgttgc	450
ccatgttgc	500
ccatgttgc	550
ccatgttgc	600
ccatgttgc	650
ccatgttgc	700
ccatgttgc	750
ccatgttgc	800
ccatgttgc	850
ccatgttgc	900
ccatgttgc	950
ccatgttgc	1000
ccatgttgc	1050
ccatgttgc	1100
ccatgttgc	1150
ccatgttgc	1200
ccatgttgc	1250
ccatgttgc	1300
ccatgttgc	1350
ccatgttgc	1400
ccatgttgc	1450
ccatgttgc	1500
ccatgttgc	1550
ccatgttgc	1600
ccatgttgc	1650
ccatgttgc	1700
ccatgttgc	1750
ccatgttgc	1800
ccatgttgc	1850
ccatgttgc	1900
ccatgttgc	1950
ccatgttgc	2000
ccatgttgc	2050
ccatgttgc	2100
ccatgttgc	2150
ccatgttgc	2200
ccatgttgc	2250
ccatgttgc	2300
ccatgttgc	2350
ccatgttgc	2400
ccatgttgc	2450
ccatgttgc	2500
ccatgttgc	2550
ccatgttgc	2600
ccatgttgc	2650
ccatgttgc	2700
ccatgttgc	2750
M L L	
GCGCTCGAAGCCTGCGCTGCCGCCGCTGATGCTGCTGCTCCTGGGGC	2800
R S K P A L P P P L M L L L G	
CGCTGGGTCCCCCTCTCCCCCTGGGCCCTGCCCGACCTGCGCAAGCACAG	2850

Fig. 16

Fig. 16
(continued)

aactgtatctggtctaatacagggaaatgttctccaaaaagcctcg	31850
ggaagatctgtatgtctaaatataatgtcagggataatacagatgtagcc	31900
tgcgaagcatgacccctgattttatagtctaaaatgtcattgcagatat	31950
ctatttctaagaataattctaaaagaattattgaatgttaggaaa	32000
gctaagaaatttgc当地gctacgtaaaatataagctaggctttg	32050
tgtttgtggatagacttccaaacaaaattgttttatctatgtatc	32100
caagctgtgaaacatattgtcatcttttttagaaaattcttagaaaa	32150
gtatcttgc当地aaaatgaaatttatcttcccaagttatctgtatc	32200
tatagatataactaagcatagtaatttaccagacaaaacattcaaatac	32250
tactcctgaccccttatctcatccaaatttccaggcccagacataa	32300
acctttgc当地acactttgtatgtcactaaatgtctcttc	32350
aagggtctcagtcagtagaaaaatgtc当地agacttccatgtctgt	32400
cacttgc当地agaaaatttagacttaactcactctacatgtctgt	32450
actttatatttatttgc当地agacttccgtgagggtggcaaggcaggatct	32500
tgc当地atcttttagataaggaaatgtcaaaatttgc当地aggttgc当地	32550
tttacaggaagccatactgttagtc当地atgttacttcttccatccatc	32600
aaatcctgcttgc当地ggccctgcatacttctaccctaccgtcattgacc	32650
catgc当地atgtcttgc当地aaaacattgttaccacttgc当地ccatgtga	32700
aaaatgtggatataaggc当地agaaaacaaaagccatgttgc当地atgtct	32750
actttcccttactttcaagaagggaaatgtgggtatgttgc当地atgt	32800
atttatttatttatttatttgc当地aaaattgtatacaaggcttactgt	32850
tttgc当地ggcttcaactcctggctcaagtgatcatccacactca	32900
gc当地ccaggatgttgggattacagcatgaaccattgtgcccaccaccgtc	32950
c当地caggatgttgc当地aaaactttactatagaaaaatttgc当地atataca	33000
aaatcagaggaaatgtatgtaccactttaggagactagaatgtcc	33050
ccccaaaatgtccacttggc当地aaaactttaggatatttgc当地aaaaggcaac	33100
tggaaagaaacacatagaagaaaatgtctgtc当地tccatgttgc当地	33150
aaagcaggacatgaatctaaaatgtcccttcccttctaccagga	33200
aaaacaagatgttactactgaagataacttc当地acccttatcgttgc当地	33250
gatggcactagaagaaatctatattacatactcatttgc当地tcccttgc当地	33300
aacttgc当地ccaggactaaaatcttttgc当地tgc当地tcttgc当地	33350
tccaaaatttgc当地ataagctggatcttgc当地acatgttataatatacatgt	33400
tacttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	33450
taacaagcttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	33500
ccatcccaactaagaactaaaatgtgggatcttgc当地tgc当地tgc当地	33550
catactttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	33600
cctttagattactttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	33650
atatttc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	33700
tttgggaagctggc当地ggggatcttgc当地tgc当地tgc当地tgc当地	33750
gctacggc当地aaaatcaaaaacttatctggcatgttgc当地atgtcc	33800
tgtggccaggctacatgagaggctggcaggaggatcttgc当地tgc当地	33850
ggagggttgggctgcatgttgc当地tgc当地tgc当地tgc当地tgc当地	33900
ggtgacagagtaagccatgtctaaaatatacatatttgc当地tgc当地	33950
ccttttgc当地aaaacacaataacttttgc当地tgc当地tgc当地tgc当地	34000
attccttagtatc当地aaaatatttgc当地tgc当地tgc当地tgc当地	34050
gtctaaaatatttgc当地tgc当地tgc当地tgc当地tgc当地	34100
tatattacatttgc当地tgc当地tgc当地tgc当地tgc当地	34150
tttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34200
aatttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34250
ctatgatatacttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34300
gttagtttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34350
ttttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34400
tgtgtctgggttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34450
tacttttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34500
gattttttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34550
tggaggctggc当地aaaatc当地ggctcacttgc当地tgc当地tgc当地	34600
tcagggtatcttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34650
acaccaccacacttgc当地tgc当地tgc当地tgc当地tgc当地tgc当地	34700
catcatgttccc当地ggacttgc当地tgc当地tgc当地tgc当地tgc当地	34750
cacttc当地ggccaaaatctgggatcttgc当地tgc当地tgc当地tgc当地	34800
cctaaatgc当地aaaatttgc当地tgc当地tgc当地tgc当地tgc当地	34850

Fig. 16
(continued)

tttgtctttgtgtacatgtttgttatgtgtgtgtctaaaagtt	34900
ttggcttttagctttgtttgaattcttggatgaacaataaccataac	34950
ttaaactctgatcattttgtacagatatcccctacaggctatggccttt	35000
gaattgtgtcttccagtataaaaagcagcaagcacgatactgtcttag	35050
attcatggtggtcacatgtgaggtaaaaaaaaagatgaatccta	35100
ttaaatggcccccaggataacagtatactttgttaggataactatttg	35150
cttgcacactgggttcataaataaggacataagtaaagatctatgggt	35200
ctctttcccaaccaccacaactagGATTATTGGCTATCTCTCTGTT	35250
D Y W L S L L F	
CAAGAAATTGGTGGGCACCAAGGTGTTAATGGCAAGCGTGCAGGTTCAA	35300
K K L V G T K V L M A S V Q G S	
AGAGAAGGAAGCTTCGAGTATACTTCATTGCACAAACACTGACAAAGtaa	35350
K R R K L R V Y L H C T N T D N	
gtatgaaacacaccccttaccaatcatcaagtttagtggtaagccctgt	35400
aactttactcaaacacccctgttgcattgtctatacattgcataagtata	35450
ggcagttgcaatttagtaaagtttataacaacgatttatttatttat	35500
ttttagaagaaaaatgtacttttttttttttttttttttttttttttttt	35550
ctcgctcgcccccaggctggagtgcagggtcaatctcagactcactgc	35600
aaccccccctccgggttcaagtgatttttttttttttttttttttttttt	35650
acaacaatatt	35700
gacatcgagattt	35750
gttt	35800
tgataagatgtgttttttttttttttttttttttttttttttttttttttt	35850
atttccgatt	35900
gaagttagcgaggggaatggttgaatggataaatttttttttttttttt	35950
tagatt	36000
cccccttt	36050
gccttt	36100
caaccccttt	36150
tttggtagcatgaacggcaacattttttttttttttttttttttttttt	36200
cactagcggtctaaaacgatcataaaagggataactaagagggccact	36250
gtcattatggatcttaacttttttttttttttttttttttttttttttt	36300
tactaatacttaggatcacatttttttttttttttttttttttttttttt	36350
agatacatatt	36400
P R Y	
AAGAAGGGAGATTAACTCTGTATGCCATAAACCTCCATAATGTCACCAAG	36450
K E G D L T L Y A I N L H N V T K	
TACTTGCGGTTACCCCTATCCTTTCTAACAAAGCAAGTGGATAAAATACCT	36500
Y L R L P Y P F S N K Q V D K Y L	
TCTAACGACCTTGGGACCTCATGGATTACTTTCCAAAGtaaagtatttcc	36550
L R P L G P H G L L S K	
ttgttcattccaaactttcaataaaaatttttttttttttttttttttttt	36600
agtttggacaggaggcaaaagacaaaacttcaactatatacaagttctataaa	36650
ttcttaatatt	36700
actcatcctaagagtctaaagcaaaaggatgtgaacacacaaaacttgcgtt	36750
atcttagagaataagtttttttttttttttttttttttttttttttttttttt	36800
actcaacgcatt	36850
acatt	36900
tgggttt	36950
agcatt	37000
ttcttaatgttt	37050
acatcttataaaaaggctgttatttttttttttttttttttttttttttttt	37100
tcttaaagatggatcttttttttttttttttttttttttttttttttttttt	37150
tttggaaaggatgttttttttttttttttttttttttttttttttttttttt	37200
agtttacaggcttggcgcagtttttttttttttttttttttttttttttttt	37250
gaagctgaagcaggcagatcttttttttttttttttttttttttttttttt	37300
ggcaatatggcaaaaacttttttttttttttttttttttttttttttttttt	37350
tgggttt	37400
att	37450
ctgttt	37500
tt	37550

Fig. 16
(continued)

Fig. 16
(continued)

Fig. 16
(continued)

ctttgtcagcaataatatgtgagaggacagattgttagatatgatagtat	43450
aaaaaaatggtaatgacaattcagaggcgaggagattctgtaaactaaa	43500
attactataatgaaattgatttgtcaagaggataaatttagaaaacac	43550
ccaataccttataactgtctgttaatgcttgccttctaccttctt	43600
ccttgtttcagttggaaagctttggctgaagtaacagaaaactctaat	43650
tcaaatggcttaagcaataagggaaatgtatattcccacataactagacgt	43700
tcaaacaggccaggctccagcacttcaagtacgtcaccaggatctgggtt	43750
cttcccagctctgtctgcacatcttagcgtggcttcatttcagac	43800
tctggtagcatgtggctgttagctgtttcatggcccttcaaaccctcat	43850
agcaaccagaggaagaaaatgagccattttgagtctccttcataagact	43900
tgaataactctttcagagcttcacagcaaacccttcctcatgtctc	43950
ctcatgtcttattgttcagaaatggtaatgtggccatttcaccagtcac	44000
tgccaacaacaacgaggctctataattgtctctgagtaacccttggaa	44050
tggagagggtgtggtagtctacaaaactgaacactgcagttctgcgctt	44100
tttaccagtgaaaaaatgtattttccctttaaggattaatattc	44150
ttcaaatgtatgcctgttatggatatagtatcttaaaaatttttatttt	44200
aatagctttagggtagcacacacttttgcattacaggggtaattgttagt	44250
ggtgaagactcggctttaatgtacttgtcacctgagtgatgtacattgt	44300
acccaataggtattttcatccattaccctccctccgccttccctt	44350
ctgagtcctcaacatcccttataccactgtgtatgtttgtgtacactac	44400
agctaagcttccacttataagtgagaacatgcagttttgtttccatt	44450
cctgagttactcccttaggataacagccccagttccgtccaagttgct	44500
gcaaaaatcattattctttatggctgagtaatagtccatgttacata	44550
tataccacattttttatccacttatcaggatgtggacacttaggttaa	44600
ttccattcaatttcatcaatttaagtatattgtaaaggagctaaagctg	44650
aaaattaaatttttagatcttcaataactcttaaatttatgtaaagtgg	44700
tttttatatttcacattttagaaataaagtaattttataacctgtatatt	44750
gtatgactatttttagtaatgtaaagcctacagactcctacatttggaa	44800
accactaqtgtgttgcattcccttgcattactatcaggatcctcga	44898

Fig. 16
(continued)

human	MLLRSKPALP PPIMLLLLGP LGPLSPGALP RPAQAQDVVD LDFFTQEPLH
mouse	~~~~~ML RLLLLWLWGP LGALAQGAPA GTAPTDVVVD LEFYTKRPLR
rat	~~~~~ ~LLLLWLWGR LRALTQGTPA GTAPTKDVVD LEFYTKRLFQ
human	LVSPSFLSVT IDANLATDPR FLILLGSPKL RTLARGLSPA YLRFGGTKTD
mouse	SVSFSFLSIT IDASLATDPR FLTFLGSPLR RALARGLSPA YLRFGGTKTD
rat	SVSFSFLSIT IDASLATDPR FLTFLSSPLR RALSRLGLSPA YLRFGGTKTD
human	FLIFDPKES TFEERSYWQS QVNQDICKYQ SIPPDVEEKL RLEWPYQEQL
mouse	FLIFDPDKEP TSEERSYWKS QVNHDICRSE PVSAAVLRLQ QVEWPFQELL
rat	FLIFDPNNEP TSEERSYWQS QDNNDICGSD RVSADVL~~~~~
human	LLREHYQKKEF KNSTYSRSSV DVLYTFANCS GLDLIFGLNA LLRTADLQWN
mouse	LLREQYQKEF KNSTYSRSSV DMLYSFAKCS GLDLIFGLNA LLRTPDLRWN
rat	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~
human	SSNAQLLLDY CSSKGYNISW ELGNEPNSFL KKADIFINGS QLGEDYIQLH
mouse	SSNAQLLLDY CSSKGYNISW ELGNEPNSFW KKAHILIDGL QLGEDFVELH
rat	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~
human	KLLRKSTFKN AKLYGPDVGQ PRRKTAKMLK SFLKAGGEVI DSVTWHHYYL
mouse	KLLQRAFQN AKLYGPDIGQ PRGKTVKLLR SFLKAGGEVI DSLTWHHYYL
rat	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~
human	NGRTATREDF LNPDVLDIFI SSVQKVFQVV ESTRPGKKVW LGETSSAYGG
mouse	NGRIATKEDF LSSDALDTFI LSVQKILKVT KEITPGKKVW LGETSSAYGG
rat	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~
human	GAPLISDTFA AGFMWLDKLG LSARMGIEVV MRQVFFGAGN YHLVDENFDP
mouse	GAPLLSNTFA AGFMWLDKLG LSAQMGIEVV MRQVFFGAGN YHLVDENFEP
rat	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~
human	LPDYWLSLLF KKLVGTKVLM ASVQGSKRRK LRVYLHCTNT DNPRYKEGDL
mouse	LPDYWLSLLF KKLVGPRLVLL SRVKGPDRSK LRVYLHCTNV YHPRYQEGDL
rat	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~
human	TLYAINLHNV TKYLRLPPYPF SNKQVDKYLL RPLGPHGLLS KSVQLNGLTL
mouse	TLYVNLHNV TKHLKVPPPL FRKPVDTYLL KPSGPDGLLS KSVQLNGQIL
rat	~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~
human	KMVDDQTLPP LMEKPLRPGS SLGLPAFSYS FFVIRNAKVA ACI~
mouse	KMVDEQTLPA LTEKPLPAGS ALSLPAFSYG FFVIRNAKIA ACI~
rat	KMVDEQTXPA LTEKPLPAGS SLSVPAFSYG FFVIRNAKIA ACI~

Fig. 17

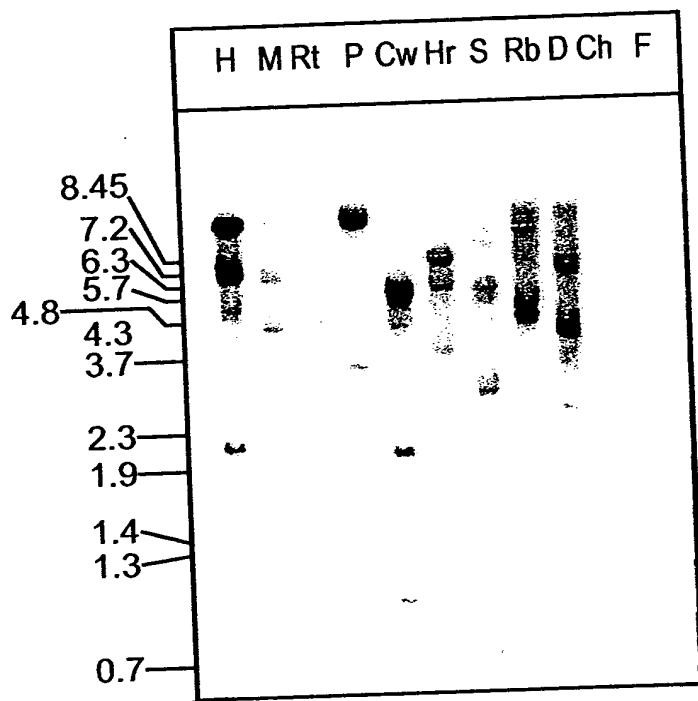


Fig. 18

Fig. 19